BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1600000.00

Name of Work: **Construction of Compound wall and other additional works to INDIRA CANTEEN in ward no-04 of yelahanka Sub Division.**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 200-clearing and grubbing road land KSRRB 200-8 : Cleaning and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and tress of girth upto 300mm by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials within a lead of 100 meters from road boundary, labour charges complete as per specifications. MORTH chapter 2. No. thorney jungle Page No 136, Item n 18.11 SR 2016-17	sqm							
			1	75.00	30.00		2250.00		
							2250.00	6.36	14310.00
	Basic Rate	6.00							
	Area Weightage @ 6%	0.36							
	Total	**6.36**							
2	Engaging on Hire Basis JCB including Driver/operator with fuel etc complete (SR 2016-17) Page No XXXXVI code 1031) Sl No 23	Day							
	for removal of debries		1	10			10		
							10	6720.00	67200.00
	Basic Rate	6720.00							
3	Engaging on Hire Basis Tipper including Driver/operator with fuel etc complete (SR 2016-17) Page No XXXXVI code 1011) Sl No 09	Day							
			1	6			6		
							6	2016.00	12096.00
	Basic Rate	2016.00							
4	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142.. I.No.19.1 of KPWD S.R 2016-17)	Cum.							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	desilting of drains		2	100.00	0.60	0.80	96.00		
			1	40.00	0.60	0.60	14.40		
	levelling and lowering		1	20.00	20.00	0.30	120.00		
							230.40	86.92	20026.00
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	86.92							
5	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5;- No.5/Item No. 2.3) SR 2016-17	cum							
	for masonry		1	16.00	0.75	1.00	12.00		
			1	16.00	0.75	1.00	12.00		
	RWH								
	3.14x1.0x1.00x3.00						9.42		
							33.42	200.34	6695.00
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	200.34							
6	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4 00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
			Vide Item No. 1				263.82	85.65	22596.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 K.m =1.28 X 2.50 X 4	12.80							
		80.80							
	Area Weightage @ 6%	4.85							
	Total	85.65							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2016-17	cum							
			1	20.00	20.00	0.60	240.00		
	lawn		1	12.50	0.90	0.30	3.38		
			1	8.90	0.90	0.75	6.01		
			2	2.70	1.90	0.30	3.08		
							252.46	**320.12**	**80817.66**
	Basic Rate	302.00							
	Area Weightage @ 6%	18.12							
	Total	**320.12**							
3	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 No.20.18)								
		Cum							
			1	11.60	0.30	0.60	2.09		
							2.09	1768.08	**3692.00**
	Basic Rate	1668.00							
	Area Weightage @ 6%	100.08							
	Total	**1768.08**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix **1:3:6 with OPC cement @** 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-17	Cum							
			1	16.00	0.75	0.15	1.80		
			1	16.00	0.75	0.15	1.80		
	flooring		1	11.40	0.75	0.15	1.28		
			1	4.90	0.75	0.15	0.55		
			1	11.90	1.20	0.15	2.14		
			1	14.50	2.20	0.15	4.79		
			1	18.40	1.50	0.15	4.14		
			1	18.30	0.40	0.15	1.10		
	damage footpath		1	10.00	1.20	0.15	1.80		
	road cutting		1	7.50	0.75	0.15	0.84		
							20.24	5348.76	108272.00
	Basic Rate	5046.00							
	Area Weightage @ 6%	302.76							
	Total	**5348.76**							
10	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Sqm							
			1	16.00	0.60	0.80	7.68		
			1	16.00	0.60	0.80	7.68		
	basement		1	16.00	0.45	0.40	2.88		
			1	16.00	0.45	0.40	2.88		
							21.12	4438.22	93735.00
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	**4438.22**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4.2.2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing complete as per specifications Specification. No KBS 4.1.4.6 No. KBS 4.1.4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							
	coping concrete								
			1	16.00	0.45	0.15	1.08		
			1	16.00	0.45	0.15	1.08		
			1	30.00	0.45	0.10	1.35		
			1	3.50	0.45	0.10	0.16		
			1	3.90	0.45	0.10	0.18		
	flooring		1	11.40	0.75	0.10	0.86		
			1	4.90	0.75	0.10	0.37		
			1	11.90	1.20	0.10	1.43		
			1	14.50	2.20	0.10	3.19		
			1	18.40	1.50	0.10	2.76		
			1	18.30	0.40	0.10	0.73		
	damage footpath		1	10.00	1.20	0.10	1.20		
	road cutting		1	7.50	0.75	0.15	0.84		
	coping for compound wall		1	30.00	0.20	0.10	0.60		
			1	16.00	0.20	0.10	0.32		
			1	3.90	0.23	0.10	0.09		
			1	3.50	0.23	0.10	0.08		
			1	0.95	0.20	0.10	0.02		
			1	1.10	0.20	0.10	0.02		
	for damaged cc road		1	30.00	2.00	0.15	9.00		
	ramp		1	7.00	1.50	0.15	1.58		
							26.93	6371.66	171560.00
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	6371.66							
12	KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No 113/Item No. 15.1)	Sqm							
			2	16.00		0.40	12.80		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	30.00		0.40	12.00		
							24.80	102.82	**2550.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	**102.82**							
13	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 27/ Item No. 5.27/ PWD SR 2016-17	Sqm							
			1	14.20	1.70		24.14		
			1	15.30	1.50		22.95		
			1	15.30	1.50		22.95		
			1	0.95	1.50		1.43		
			1	1.10	1.50		1.65		
			1	12.10	0.20		2.42		
	for damaged compound wall		1	10.00	1.50		15.00		
	for drain		2	18.30		0.90	32.94		
							123.48	993.22	**122638.00**
	Basic Rate	937.00							
	Area Weightage @ 6%	56.22							
	Total	**993.22**							
14	KSRB 6-1.1 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 35 with mud mortar for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.Specification No. KBS 6.2 Page No.27 / Item No. 6.1/ PWD SR 2016-17	**Cum**							
	for compound wall		1	3.50	1.20	0.23	0.97		
			1	3.90	1.30	0.23	1.17		
			1	11.60	0.60	0.10	0.70		
			2	2.70	0.60	0.10	0.32		
			2	1.90	0.40	0.10	0.15		
	RWH								
	3.14x1.0x0.23x3.00						2.16		
							5.46	**5420.84**	29620.00
	Basic Rate	5114.00							
	Area Weightage @ 6%	306.84							
	Total	**5420.84**							

S No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 15.3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering. : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 122/ Item No. 15.11/ PWD SR 2016-17 ::	sqm							
			2	3.90		1.30	10.14		
			2	3.50		1.30	9.10		
			2	30.00		1.50	90.00		
			2	0.95		1.50	2.85		
			2	1.10		1.50	3.30		
			2	12.10		0.20	4.84		
			2	11.60		0.60	13.92		
			4	2.70		0.60	6.48		
			8	1.90		0.40	6.08		
	top surface		1	30.00	0.20		6.00		
			2	16.00	0.20		6.40		
			1	3.50	0.23		0.81		
			1	3.90	0.23		0.90		
			2	1.00	0.20		0.40		
							161.21	140.98	22728.00
	:: Basic Rate	133.00							
	Area Weightage @ 6%	7.98							
	Total	140.98							
16	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour complete as per specifications with primer,page No.114 item No.15.53.2/PWD SR 2014-15								
		qty same as plastering					161.21		
							161.21	79.50	12816.00
	:: Basic Rate	75.00							
	Area Weightage @ 6%	4.50							
	Total	79.50							
17	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete. Page No. 28/ Item No. 5.29/ PWD SR 2016-17	Nos							
			90				90.00	385.84	34725.60

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	364.00							
	Area Weightage @ 6%	21.84							
	Total	**385.84**							
18	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. Page No.101/ Item No. 14.7 / PWD SR 2016-17	Sqm							
			1	30.00	1.50		45.00		
			1	14.50	2.20		31.90		
							76.90	**1028.20**	**79069.00**
	Basic Rate	970.00							
	Area Weightage @ 6%	58.20							
	Total	**1028.20**							
19	Providing vitrified glazed tiles of approved make quality & colour or size 600x600 x 10mm thick fixed on bed of 12mm thick cement morter for flooring skirting and joined with neat cement slurry mixed with pigment to mach shade of tiles including providing spacers at required interval and removing stains including cost of all materials morter labour etc complete as per specifications Item No. 14.45 / page no 107 PWD SR 2016-17	Sqm							
			1	11.40		0.75	8.55		
			1	4.90		0.75	3.68		
			1	11.90		1.20	14.28		
							26.51	1106.64	**29331.00**
	Basic Rate	1044.00							
	Area Weightage @ 6%	62.64							
	Total	**1106.64**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
20	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)	sqm							
			1	5.00	1.80		9.00		
			1	4.25	1.80		7.65		
							16.65	9144.00	152248.00
	data rate	9144.00							
21	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flap. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate	Nos							
			1	2.60		1.50	3.90		
							3.90	12475.00	48652.50
	Data rate	12475.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
22	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specificationsNo.KBS Page No. 70/ Item No. 11.50 PWD SR 2016-17	Unit							
			2	1			2		
							2	7463.46	14927.00
	Basic Rate	7041.00							
	Area Weightage @ 6%	422.46							
	Total	7463.46							
23	KSRRB 800-1: **painting two coats after filling the surface** with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specification MORTH chapter 8, No. 182/ Item No. 24.1/ PWD SR 2016-17	sqm							
			1	12.50		0.45	5.63		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
							32.63	63.60	2075.00
	Basic Rate	60.00							
	Area Weightage @ 6%	3.60							
	Total	63.60							
24	RCC Precast covering slab for drain (10cm thick)	sqm							
			1	30.00	0.90		27.00		
			1	30.00	0.90		27.00		
	missing slabs		1	56.00	0.90		50.40		
							104.40	2100.00	219240.00
	Rate Approved by BBMP	2100.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
25	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick **Granite slab over** existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete. using gray granite Page No. 115/ Item No. 14.47.1 / PWD SR 2016-17	sqm							
			1	12.00		0.75	9.00		
							9.00	2776.14	24985.00
	Basic Rate	2619.00							
	Area Weightage @ 6%	157.14							
	Total	**2776.14**							
26	KSRRB M300-Turfing with sods/seeding and Mulching KSRRB M300-31: Turfing with sods-furnishing and laying of the live sods of perennial turf forming grass on embankment slope, verges or other locations show on the drawing or as directed b the engineer including preparation of ground, fetching of sods and watering, complete as per specifications.MORTH specification No. 307, No. 153/ Item No. 19.36/ PWD SR 2016-17	sqm							
			2	2.70		2.00	10.80		
							10.80	21.20	229.00
	Basic Rate	20.00							
	Area Weightage @ 6%	1.20							
	Total	**21.20**							
27	Supplying and fixing granite benches to the parks and Governament schools etc.,.	Nos							
			4				4.00		
							4.00	10550.00	42200.00
	BBMP:Approved Rate	10550.00							
							sub total		1439034.00
28	KRIDL CHARGES 11%								158293.74
29	Miscellaneous charges								2672.00
								Total	1600000.00
	(Rupees Sixteen Lakhs Only)								

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Satellite town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

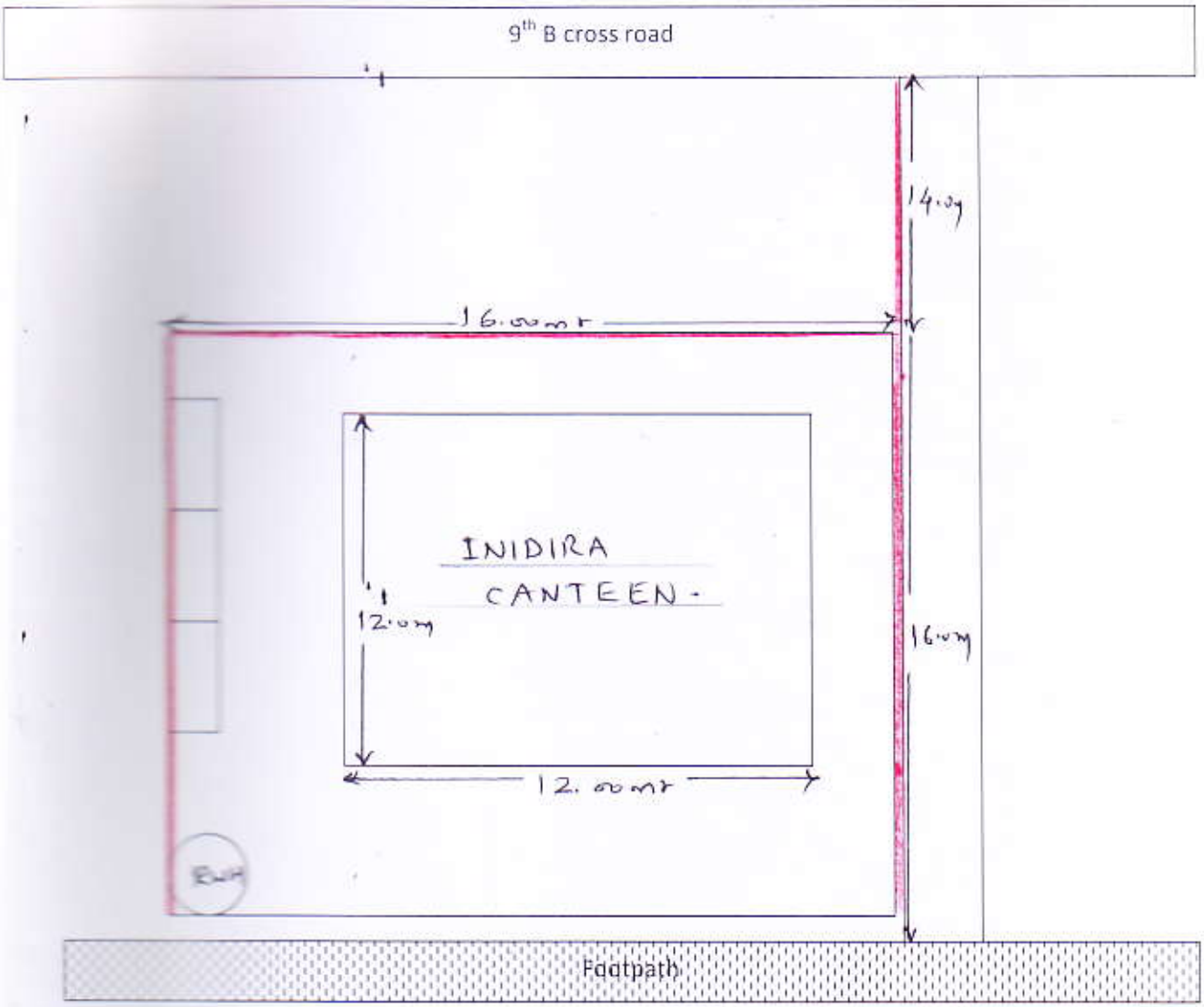
Administrative Approval
Accorded For RS 16.00 lakhs
Head of A/C P-3106
CER NO AS/01/18-19 Dt: 30/05/18

TA CE (YNK)

ACCORDED FOR Rs. 16.0 Lakhs
Rupees Sixteen Lakhs Only
Under P-3106 Nagar Thana
Registered as CE ( ) No.
Subject to conditions co enclosed memo EE ( ) No.
Dt: Estin:
EE/YNK/JS/ 18-19
Dated 23/5/18 Rs 16.00 L

NAME OF WORK:

Construction of Compound wall and other additional works to INDIRA CANTEEN in ward no-04 of yelahanka Sub Division.



INDEX:

PROPOSED. COMPOUNDWALL

A.E. Ramagowda

A.E.E.